

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-106886

(43)Date of publication of application : 23.04.1996

1)Int.Cl.

H01M 2/08

H01M 2/10

H01M 10/02

1)Application number : 06-238729

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2)Date of filing : 03.10.1994

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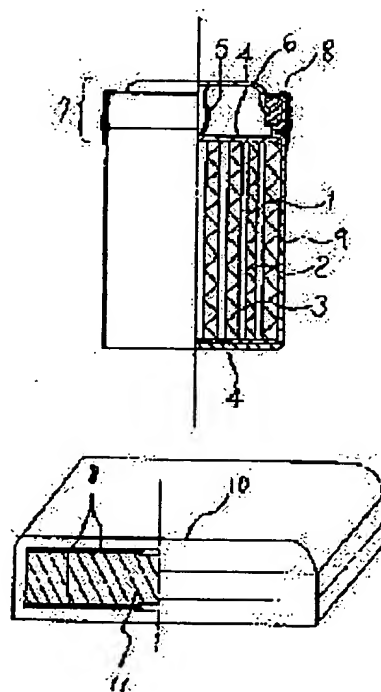
YOSHINO AKIRA

4) BATTERY

7)Abstract:

PURPOSE: To prevent the electrolyte leakage from a sealing part at alling and improve safety by providing silicone gel in the sealing part of a battery having an electrode body and electrolyte housed in a facing an and in the clearance between the battery and a battery case.

ONSTITUTION: Silicone gel 8 is provided in the sealing part 7 of a battery in which an electrode body formed by interposing a separator 2 between a positive electrode 1 and a negative electrode 3 and an electrolyte are housed in a facing can 9. The silicone gel 8 is also provided in the clearance part between the battery 11 and case 10 of a battery pack having the battery case 10 for housing the battery 11. The silicone gel 8 is a solid-liquid compatible material, which keeps the gelled state within a wide temperature range because the polymer frame is thermally stable. The hardness or viscosity can be freely changed by changing the molecular weights or cross-linked state of organopolysiloxane and polyhydrodiene siloxane, and no solvent or adhesive is required at coating or ticking.



GAL STATUS

Date of request for examination]

28.05.1999

Date of sending the examiner's decision of rejection]

Kind of final disposal of application other than the
examiner's decision of rejection or application

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converted registration]

Date of final disposal for application]

Patent number]

Date of registration]

Number of appeal against examiner's decision of
ejection]

Date of requesting appeal against examiner's
decision of rejection]

Date of extinction of right]

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